

CLAIMS

1. A sender (10) arranged to transmit a content file (11) to a receiver (40) wherein said sender (10) is arranged to
 - 5 – divide said content file (11) in a first part (22) and a second part (15),
 - send said first data part (22) to said receiver (40),
 - encrypt said second part (15) to render an encrypted part (21) and, then,
 - send said encrypted part (21) to said receiver (40).
- 10 2. Sender (10) according to claim 1, wherein said sender (10) is arranged to transmit said first part (22) to said receiver (40) via at least one cache server (20, 30).
3. Sender (10) according to claim 2, wherein sender (10) is arranged to transmit said encrypted part (21) to said receiver (40) without using said at least one cache server
15 (30).
4. Sender (10) according to claim 1, 2 or 3, wherein the sender (10) is arranged to send the encrypted part (21) via a different network (32) than the first part (22).
- 20 5. Sender (10) according to any of the preceding claims, wherein said encrypted part (21) comprises vital data of said content file (11).
6. Sender (10) according to any of the preceding claims, wherein the first part (22) comprises video data and the encrypted part (21) comprises audio data, or vice versa.
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7. Sender (10) according to any of the preceding claims, wherein said sender (10) is arranged to transmit said content file (11) using a streaming protocol.
8. Sender (10) according to any of the preceding claims, wherein the encrypted data
30 comprises predetermined frequency components of the content file (11).
9. A telecommunication system comprising a sender (10) according to any of the preceding claims.

10. Telecom system according to claim 9, wherein said telecom system comprises at least one communication network (32, 34) and at least one cache server (20, 30).
11. Telecom system according to claim 10, comprising at least one receiver (40) arranged to communicate with said sender (10) via at least one cache server (30) and with said sender (10) without using a cache server (30).
12. Telecom system according to claim 10, wherein said at least one cache server (30) is arranged to communicate with more than one sender (10), where said more than one sender (10) use the same or different encryption and/or watermark techniques.
13. A receiver (40) arranged to
- receive a first part (22) of a content file (11) from a sender (10) and an encrypted part (21) of said content file (11),
 - to decrypt said encrypted part (21) to render a second part (15) of said content file (11),
 - to assemble said content file (11) from said first and second parts (22, 15).
14. Receiver (40) according to claim 13, wherein said receiver (40) is arranged to reproduce said content file (11) for a user of said receiver (40).
15. Receiver according to claim 13, wherein said receiver (40) is arranged to transmit said content file (11) to at least one terminal (80).
16. A method of transmitting a content file (11) from a sender (10) to a receiver (40) wherein said method comprises the following operations:
- dividing said content file (11) in a first part (22) and a second part (15),
 - sending said first data part (22) to the receiver (40),
 - encrypting said second part (15) to render an encrypted part (21)
 - sending said encrypted part (21) to said receiver (40).

17. A method performed by a receiver (40) comprising the following operations:

- receiving a first part (22) of a content file (11),
 - receiving an encrypted part (21) of said content file (11),
 - decrypting said encrypted part (21) to render a second part (15) of said content file
- 5 (11),
- assembling said content file (11) from said first and second parts (22, 15).

18. A computer program product to be loaded by a sender (10) to provide said sender (10) with the capacity of transmitting a content file (11) to a receiver (40)

10 wherein

said computer program product provides said sender (10) also with the capacity of:

- dividing said content file (11) in a first part (22) and a second part (15),
 - sending said first data part (22) to the receiver (40),
 - encrypting said second part (15) to render an encrypted part (21)
- 15 - sending said encrypted part (21) to said receiver (40).

19. A computer program product to be loaded by a receiver (40) to provide said receiver (40) with the following capacity:

- receiving a first part (22) of a content file (11),
- 20 - receiving an encrypted part (21) of said content file (11),
- decrypting said encrypted part (21) to render a second part (15) of said content file (11),
 - assembling said content file (11) from said first and second parts (22, 15).

25 20. A data carrier provided with a computer program product according to claim 17 or 19.
